

ABSTRACT

A geometric property analyzing system comprises: a format storage unit (9) for storing a predetermined geometric property format; a chart data creating unit (10) for creating chart data based upon the geometric property format; a printing unit (16) for creating a test chart by printing mark groups on a recording medium such as a paper sheet based upon the chart data; an image pickup unit (17) for outputting a chart image by scanning the test chart; a mark center calculating unit (12) for calculating the center of each mark based upon the chart image; and a fitting unit (13) for performing fitting calculation by making comparison between the calculation results output from the mark center calculating unit (12) and the chart based upon the geometric property format such that the squared the difference therebetween becomes minimum for each mark position, whereby the geometric properties are analyzed.